



Docket No.: 004363.P004

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Examiner: Quang D. Vu  
                          ) )  
                          Mar Hershenson ) Art Unit: 2811  
                          ) )  
Application No.: 09/843,486 ) )  
                          ) )  
Filing Date: April 25, 2001 ) )  
                          ) )  
For: Optimal Simultaneous Design and ) )  
Floorplanning of Integrated Circuit ) )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AND PETITION UNDER 37 C.F.R./1.48(a)  
TO CORRECT INVENTORSHIP

Dear Sir:

The undersigned hereby respectfully requests and petitions that the above-referenced application be amended under 37 C.F.R./1.48(a) to correct inventorship of the application.

The application was filed on April 25, 2001 naming the following persons as inventors of the present patent application:

Mar Hershenson and Arash Hassibi and Andre Hertz.

Please correct and amend the present patent application so Stephen Boyd, a citizen of the United States of America and having a residence address of 663 San Juan Street, Stanford, California 94305 is additionally named as a joint inventor, so that Mar Hershenson and Arash Hassibi and Andre Hertz and Stephen Boyd are then named as joint inventors of the present patent application.

It is respectfully submitted that the error in inventorship of the present application was made without any deceptive intent by anyone, including the actual inventors.

Enclosed with this Amendment and Petition is as follows:

- (1) verified Statement of Facts by Stephen Boyd stating that the error in inventorship of the present patent application was made without any deceptive intent by anyone.
- (2) an executed Declaration/Power of Attorney indicating all inventors;
- (3) an Assent of Assignee for Correction of Inventorship with a copy of the previously recorded Assignment document; and
- (4) an Assignment by the additional inventor, Stephen Boyd, to be recorded in accordance with 47 C.F.R./1.331. Please charge to our Deposit Account Number 02-2666.in the amount of \$40.00 to cover the recordation fee required by 37 C.F.R./1.21(h).

Also please charge to our Deposit Account Number 02-2666 the amount of \$130.00 in payment of the fee under C.F.R. 1.17(i) for correction of inventorship.

Respectfully submitted,  
Blakely, Sokoloff, Taylor & Zafman LLP

C72-J 10/18/04  
Chui-Kiu Teresa Wong

Reg. No.: 48,042

12400 Wilshire Boulevard  
Seventh Floor  
Los Angeles, CA 90025  
(408)720-8300

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on:

Date of Transmission October 8, 2004  
(Type or printed name of person transmitting paper) Janelle Shannon (Signature of person transmitting paper) Janelle Shannon



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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

STATEMENT OF FACTS BY  
Stephen Boyd  
UNDER 37. C.F.R./1.48(a)

Dear Sir:

I hereby declare:

1. I am making this Statement of Facts under 37 C.F.R./1.48(a) in connection with U.S. Patent Application Serial No.: 09/843,486 filed April 25, 2001 (hereinafter referred to as "the present patent application").

2. I am a citizen of the United States and currently reside at the following address:

Stephen Boyd  
663 San Juan Street  
Stanford, CA 94305

3. The error was made by naming Mar Hershenson, Arash Hassibi and Andre Hertz as joint inventors, rather than naming Mar Hershenson, Arash Hassibi, Andre Hertz and Stephen Boyd as joint inventors.

4. The inventorship error was made without any deceptive intent whatsoever by anyone, and including myself.

5. It is now requested that the additional inventor, Stephen Boyd, be added to the present patent application.

I declare that all statements made herein or my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated:

9/26/01

S.P.B.

Stephen Boyd



<b>DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)</b>		Attorney Docket Number	4363P004
		First Named Inventor	Mar Hershenson
<b>COMPLETE IF KNOWN</b>			
		Application Number	09/843,486
		Filing Date	April 25, 2001
		Art Unit	2811
		Examiner Name	Quang D. Vu

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Optimal Simultaneous Design and Floorplanning of Integrated Circuit**

*(Title of the Invention)*

the specification of which

is attached hereto.

OR

was filed on (if applicable):

or 04/25/2001 as United States Application Number 09/843,486

as PCT International Application Number \_\_\_\_\_

and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
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			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

**Appointment of Practitioners:**

I hereby appoint the practitioners associated with Customer Number: **08791** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

**Correspondence:**

Direct all correspondence to Customer Number **08791**,

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Mar Hershenson (First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature M. Hershenson Date 9/24/04

Residence Los Altos, California USA Citizenship Spain (Country)

Mailing Address 430 Marich Way Los Altos, California 94043 USA

**NAME OF SECOND INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Arash Hassibi  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Mountain View, California USA Citizenship USA  
*(City, State, Country)* *(Country)*

Mailing Address 2124 Rock Street, Apt. 43  
Mountain View, California 94043 USA

**NAME OF THIRD INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Andre Hentz  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Mountain View, California USA Citizenship Brazil  
*(City, State, Country)* *(Country)*

Mailing Address 357 View Street #2  
Mountain View, California 94041 USA

**NAME OF FOURTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Stephen Boyd  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Stanford, California USA Citizenship USA  
*(City, State, Country)* *(Country)*

Mailing Address 663 San Juan Street  
Stanford, California 94035 USA

**NAME OF FIFTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: \_\_\_\_\_  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
*(City, State, Country)* *(Country)*

Mailing Address \_\_\_\_\_



**DECLARATION AND POWER OF  
ATTORNEY FOR PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing

OR

Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

Attorney Docket Number	4363P004
First Named Inventor	Mar Hershenson
<i>COMPLETE IF KNOWN</i>	
Application Number	09/843,486
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Art Unit	2811
Examiner Name	Quang D. Vu

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**NAME OF SOLE OR FIRST INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Mar Hershenson  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Los Altos, California USA (City, State, Country) Citizenship Spain (Country)

Mailing Address 430 Marich Way  
Los Altos, California 94043 USA

**NAME OF SECOND INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Arash Hassibi  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature Arash Hassibi Date 9/30/2004

Residence Mountain View, California USA Citizenship USA  
(City, State, Country) (Country)

Mailing Address 2124 Rock Street, Apt. 43  
Mountain View, California 94043 USA

**NAME OF THIRD INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Andre Hentz  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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**NAME OF FOURTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Stephen Boyd  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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(City, State, Country) (Country)

Mailing Address \_\_\_\_\_



**DECLARATION AND POWER OF  
ATTORNEY FOR PATENT  
APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing

OR

Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

Attorney Docket Number	4363P004
First Named Inventor	Mar Hershenson
<b>COMPLETE IF KNOWN</b>	
Application Number	09/843,486
Filing Date	April 25, 2001
Art Unit	2811
Examiner Name	Quang D. Vu

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*(Title of the Invention)*

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**NAME OF SOLE OR FIRST INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Mar Hershenson  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Los Altos, California USA Citizenship Spain  
(City, State, Country) (Country)

Mailing Address 430 Marich Way  
Los Altos, California 94043 USA

**NAME OF SECOND INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Arash Hassibi  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

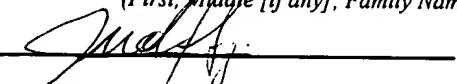
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Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
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Mailing Address \_\_\_\_\_



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Full Name: Mar Hershenson  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Los Altos, California USA Citizenship Spain  
(City, State, Country) (Country)

Mailing Address 430 Marich Way  
Los Altos, California 94043 USA

**NAME OF SECOND INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Arash Hassibi  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

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**NAME OF THIRD INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Andre Hentz  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Mountain View, California USA Citizenship Brazil  
*(City, State, Country)* *(Country)*

Mailing Address 357 View Street #2  
Mountain View, California 94041 USA

**NAME OF FOURTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Stephen Boyd  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature S. P. Boyd Date 9/26/04

Residence Stanford, California USA Citizenship USA  
*(City, State, Country)* *(Country)*

Mailing Address 663 San Juan Street  
Stanford, California 94035 USA

**NAME OF FIFTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: \_\_\_\_\_  
*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
*(City, State, Country)* *(Country)*

Mailing Address \_\_\_\_\_



Docket No.: 004363.P004

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Examiner: Quang D. Vu  
 )  
 Mar Hershenson ) Art Unit: 2811  
 )  
 Application No.: 09/843,486 )  
 )  
 Filing Date: April 25, 2001 )  
 )  
 For: Optimal Simultaneous Design and )  
 Floorplanning of Integrated Circuit )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ASSENT OF ASSIGNEE UNDER 37 C.F.R./3.73(B)  
FOR CORRECTION OF INVENTORSHIP

Dear Sir:

Attached please find a copy of the Recordation of Assignment document that is currently on file with the U.S. Patent and Trademark Office concerning the above noted application. The Assignment document is being submitted to provide evidence of chain of title for this application.

Assignee, Barcelona Design Inc., a Delaware corporation having a place of business at 997 East Arques Avenue, Sunnyvale, CA 94085, does hereby assent to the correction of inventorship, the petition for which is filed herewith, which seeks to add Stephen Boyd as an additional inventor in the above-referenced application. The undersigned, Ariel Sella, does declare, under penalty of perjury, that he is authorized by Barcelona Design, Inc. to make this Assent of Assignee for Correction of Inventorship.

Respectfully submitted,

Dated: 9/30/04

Ariel Sella  
Ariel Sella  
Chief Executive Officer



ENTERED

JULY 24 2001



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 18, 2001

PTAS

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP  
EDWIN H. TAYLOR  
12400 WILSHIRE BOULEVARD  
SEVENTH FLOOR  
LOS ANGELES, CA 90025-1026



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JUL 23 2001

04363 P004

Barcelona Design  
ET

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
LOS ANGELES

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/25/2001

REEL/FRAME: 011754/0942  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
HASSIBI, ARASH

DOC DATE: 04/23/2001

ASSIGNOR:  
HENTZ, ANDRE

DOC DATE: 04/23/2001

ASSIGNOR:  
HERSHENSON MAR

DOC DATE: 04/14/2001

ASSIGNEE:  
BARCELONA DESIGN, INC.  
704 TOWN AND COUNTRY VILLAGE  
A DELAWARE CORPORATION  
SUNNYVALE, CALIFORNIA 94086

SERIAL NUMBER: 09843486  
PATENT NUMBER:

FILING DATE: 04/25/2001  
ISSUE DATE:

21 07 25

011754/0942 PAGE 2

DOROTHY BASMA, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



FORM PTO-1595  
(Rev. 10/02)

USPTO MD No. 0651-0011 (exp. 6/30/2005)

Recordation Form Cover Sheet  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Mar Hershenson; Arash Hassibi; Andre Hentz;  
Stephen Boyd**

2. Name and address of receiving party(ies):

Name: **Barcelona Design, Inc.**

Additional name(s) of conveying party(ies) attached?

No  Yes

Internal Address:

Street Address: **39677 Eureka Drive**

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other Correction of Inventorship

City: **Newark** State: **CA** Zip: **94560**

Execution Date: **9/26/2004**

Country: **USA**

Additional name(s)& address(es) attached?  No  Yes

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

**09/843,486**

B. Patent No.(s)

Additional numbers attached?  No  Yes

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: **1**

Name: **Blakely, Sokoloff, Taylor & Zafman LLP**

7. Total Fee (37 CFR 3.41).....\$ **40.00**

Internal Address:

Enclosed

Street Address: **12400 Wilshire Boulevard**

Authorized to be charged to deposit account

**7th Floor**

8. Deposit Account Number:

City: **Los Angeles**

State: **CA**

ZIP: **90025**

**02-2666**

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

**ChuiKiu Teresa Wong, Reg. No. 48,042**

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services  
Director of the US Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Mar Hershenson; Arash Hassibi; Andre Hentz; Stephen Boyd**

hereby sell, assign, and transfer to:

**Barcelona Design, Inc.**

a Corporation of Delaware, having a principal place of business at 39677 Eureka Drive, Newark, California 94560 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on April 25, 2001, and assigned Application No. 09/843,486 and is entitled:

### **Optimal Simultaneous Design and Floorplanning of Integrated Circuit**

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

---

Date Name: **Mar Hershenson**

Date Name: **Arash Hassibi**

Date Name: **Andre Hentz**

Date Name: **Stephen Boyd**

Date Name:

**Assignment Document Return Address:**

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (408) 720-8300